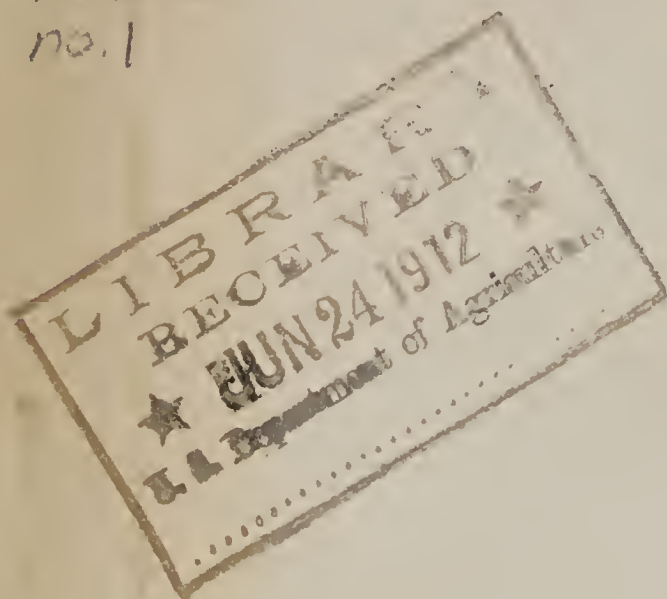


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V52C
no. 1

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For circulation no. 1,
see book, no. 386, p.
98-100.

GRAPE MILDEW

Two very different kinds of Mildew are known to be injurious to the grape. One, the most conspicuous of the two, grows abundantly upon the upper surface of the leaves, especially in the autumn; the other is to be found chiefly on the under surface of the leaf and on the fruit. The first is named the Powdery Mildew, the second the Downy Mildew. The first one is *Uromyces*, the second is *Peronospora viticola*.

1. Have either of the Mildews above named appeared in your vineyard or in your district?

2. If only one kind has been observed, which one, and what is the estimated amount of loss per cent., occasioned by its ravages?

3. At what season and under what particular circumstances does the Downy Mildew usually appear?

4. What varieties of grape are most subject to this disease?

5. What remedies have you employed against the Downy Mildew and with what success?

Recd
June 21 - 86

SECTION
OF
VEGETABLE PHYSIOLOGY

U. S. Department of Agriculture,

Washington, D. C., May 11th, 1886.

DEAR SIR:

With the object of obtaining a more definite knowledge as to the distribution of and the losses occasioned by Grape-vine Mildew and Black Rot of the Grape, your attention is respectfully invited to the accompanying circular, and the hope is expressed that your special interest in this subject together with its public importance will insure an early reply to the questions proposed.

Yours respectfully,

NORMAN J. COLMAN,

Commissioner of Agriculture.

